**RAHUL RAI**

**Address:** H.No – 57, Sadhopur URF Ramapur, Ghazipur - 232328

**Mobile:** 91-9051500705

**Personal:** [nrahul1989@gmail.com](mailto:nrahul1989@gmail.com)

**Programmer & Sys Admin**

* **Certified SysAdmin(RHCE, RHCSA) and Programmer** with strong experience managing Unix, Linux platforms. Designing custom applications in python and NodeJS for data processing, machine learning, REST API.
* **Proven ability to create and deliver solutions tied to business growth**, organizational development and systems optimization. Skilled problem identifier and troubleshooter comfortable managing systems, projects and teams in a range of IT environments.

**Professional Experience**

Rahul Commerce Pvt. Ltd. (From 14th April 2013 to 30th April 2016)

* Designed Raspberry Pi2 image to use raspberry pi as a VMware-view thin client.
* Increased team productivity and automated repetitive tasks by using scripts (shell/Python).
* Web and Mail server in cluster mode using LDAP as the authentication agent in replication mode.
* Designed python applications for extracting and processing information from websites.

Due to my mother’s illness had to stay at home for a period of nearly 2.5 years.

Distronix (From 1st Feb 2019 to 30th Oct 2020)

* Designed the IOT server platform for the IIT KGP smart campus project, using Kubernetes for application deployment and HBase as DB. Used Docker, Kubernetes and Knatives for microservice application deployment, NodeJS for the application server, Python for data analytics platform, MQTT and HTTPS protocol for receiving data and Distributed HBase cluster on top of Hadoop for data storage. Hosted using on-primse cloud and GCP.
* Designed the NKDA Solid Waste Management server side using NodeJS, Python and PostgreSQL as DB. The server side receives data using the MQTT protocol sent by the devices and stores the data in a PostgreSQL. It uses REST API’s to send data to the dashboard for visualization and the API’s are secured using SSL. Hosted on GCP.
* Designed the NKDA Toilet Feedback System server side using NodeJS, Python and PostgreSQL as DB. The TFS devices sends user feedback using MQTT Protocol. The backend server designed using NodeJS calculates happiness index and other parameters and sends the processed data for visualization using REST API’s, SSL for security. Hosted on GCP.

Kredent InfoEdge (From 2nd Nov 2020 to 31st May 2023)

* Designed the backend and analytics platform for the **https://social.stockedge.com/**. This is an application for stock traders where they can communicate with fellow traders, exchange ideas, get real-time stock info, analytics and news feed. Language used Typescript, python and services hosted on AWS. Spark used for data processing.

**Academic Qualifications**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PROGRAMME** | **BOARD/ UNIVERSITY** | **INSTITUTE** | **YEAR OF PASSING** | **CGPA/ %** |
| B.Tech (biomedical engineering) | WBUT | JIS College Of Engineering, Kalyani | 2012 | 7.19 |
| XII | ISC | S.E.Rly Mixed Hr. Sec School (E.M.), Kharagpur | 2007 | 69% |
| X | ICSE | Sacred Heart School, Kharagpur | 2005 | 69% |

**Certifications**

* Red Hat Certified System Administrator (RHCSA 130-089-253).
* Red Hat Certified Engineer (RHCE 130-089-253).

**TECHNICAL SKILLS**

**Programming Languages and Platforms**

* C, Python, JavaScript, Shell script
* Kubernetes, Docker and pySpark
* PostgreSQL, MongoDB
* AWS and GCP

**Programming Expertise**

* Linux System and Socket programming using C.
* Programming in Python
  + - Natural Language Processing (NLTK, Spacy)
    - Web Scrapping
    - RESTful api’s using flask
    - Machine learning (scikit-learn, Keras as TensorFlow backend)
    - Scientific Computing (NumPy, SciPy, Matplotlib, Seaborn)
* Linux system scripts using shell script or python.

**Linguistic Proficiency**

* English and Hindi

**Personal Details**

Date of Birth - 1st July, 1989

Gender - Male

Nationality - Indian

Category - General

Current Organization - Kredent InfoEdge

Current Designation - Senior Software Developer (DevOps & ML)

Interests - Exploring new technologies and reading technical blog.

I hereby declare that all the aforementioned information is true to the best of my knowledge.

**Date: 19-06-2023 Rahul Rai**